

ANSWER 1 OF 12 INPADOC COPYRIGHT 2004 EPO on STN

LEVEL 1

AN 216179570 INPADOC ED 20030922 EW 200338 UP 20040311 UW 200411
TI Druckformerkennende Bebilderungseinrichtung.
Imprinting unit uses triangulation sensor to detect light beam reflected from plate to detect class of **printing** plate and distance from imprinting unit.
IN ZINTZEN, BERNHARD; WOLF, THOMAS
INS ZINTZEN BERNHARD; **WOLF THOMAS**
INA DE; DE
PA HEIDELBERGER DRUCKMASCHINEN AG
PAS HEIDELBERGER DRUCKMASCH AG
PAA DE
TL German
DT Patent
PIT DEAL DOCUMENT LAID OPEN (FIRST PUBLICATION)
PI **DE 10305595** **A1 20030918**
AI DE 2003-10305595 A 20030211
PRAI DE 2003-10305595 A 20030211 (EDPR 20030922)
DE 2002-10210031 A1 20020307 (EDPR 20030922)
OSDW 2003-698734

L4 ANSWER 8 OF 12 INPADOC COPYRIGHT 2004 EPO on STN

LEVEL 1

AN 169567138 INPADOC ED 20020316 EW 200210 UP 20020812 UW 200232
TI ANORDNUNG ZUM STEuern DES TRANSPORTES VON DRUCKPRODUKTEN DURCH EINE DRUCKTECHNISCHE MASCHINE.
Printing product conveyor control device for **printing** machine synchronizes recording operation with operation of conveyor, based on comparison of stray light distribution with prescribed distribution.
IN WOLF, THOMAS
INS **WOLF THOMAS**
INA DE
PA HEIDELBERGER DRUCKMASCHINEN AG
PAS HEIDELBERGER DRUCKMASCH AG
PAA DE
DT Patent
PIT DEAL DOCUMENT LAID OPEN (FIRST PUBLICATION)
PI **DE 10135010** **A1 20020307**
AI DE 2001-10135010 A 20010718
PRAI DE 2001-10135010 A 20010718 (EDPR 20020316)
DE 2000-10041188 A1 20000823 (EDPR 20020316)

L4 ANSWER 11 OF 12 INPADOC COPYRIGHT 2004 EPO on STN

LEVEL 1

AN 130454002 INPADOC ED 20000704 EW 200026 UP 20010213 UW 200106
TI APW-INDUKTIVE PLATTENKONTROLLE.
Arrangement for detecting position of **printing** plate on **printing** machine plate cylinder has sensors that detect overlapping with **printing** plate mounted on plate cylinder or attachment device.
IN SCHUMANN, FRANK; WISPEINTNER, KARL; WOLF, THOMAS
INS SCHUMANN FRANK; WISPEINTNER KARL; **WOLF THOMAS**
INA DE; DE; DE
PA HEIDELBERGER DRUCKMASCHINEN AG
PAS HEIDELBERGER DRUCKMASCH AG
PAA DE
DT Patent

PIT DEAI DOCUMENT LAID OPEN (FIRST PUBLICATION)
PI DE 19957920 A1 20000629
AI DE 1999-19957920 A 19991201
PRAI DE 1999-19957920 A 19991201 (EDPR 20000704)
DE 1998-19859632 A1 19981223 (EDPR 20000704)
OSDW 2000-559306

=> FIL STNGUIDE

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

20.31

20.70

FILE 'STNGUIDE' ENTERED AT 14:24:26 ON 28 SEP 2004

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AND TECHNOLOGY CORPORATION, AND FACHINFORMATIONSZENTRUM KARLSRUHE

FILE CONTAINS CURRENT INFORMATION.

LAST RELOADED: Sep 24, 2004 (20040924/UP).

=>

WEST Search History

DATE: Wednesday, September 29, 2004

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<input type="checkbox"/>	L12	I9 and (correlated position)	5
<input type="checkbox"/>	L11	L9 and ((measure or measuring) with reflected with intensity)	13
<input type="checkbox"/>	L10	L9 and ((measure or measuring) with reflected with intenssity)	0
<input type="checkbox"/>	L9	(projection with point with distance)	3272
<input type="checkbox"/>	L8	(projection with point wiht distance)	0
<input type="checkbox"/>	L7	L4 and (distance with projection with point)	0
<input type="checkbox"/>	L6	L4 and pattern	3
<input type="checkbox"/>	L5	L4 and (pattern with imaging)	0
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<input type="checkbox"/>	L2	ep1002646.pn.	0
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END OF SEARCH HISTORY

WEST Search History

DATE: Tuesday, September 28, 2004

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<input type="checkbox"/>	L10	L9 and correlat	0
<input type="checkbox"/>	L9	L8 and (difference with pattern)	23
<input type="checkbox"/>	L8	L7 and (distance with projection)	601
<input type="checkbox"/>	L7	printing with (press or unit or form)	111324
<input type="checkbox"/>	L6	I4 and triangulation	1
<input type="checkbox"/>	L5	L4 and pattern	0
<input type="checkbox"/>	L4	L3 and distance	7
<input type="checkbox"/>	L3	L2 and printing	14
<input type="checkbox"/>	L2	wolf-thomas.in.	62
<i>DB=EPAB,DWPI; THES=ASSIGNEE; PLUR=YES; OP=ADJ</i>			
<input type="checkbox"/>	L1	de10305595	1

END OF SEARCH HISTORY

WEST Search History

DATE: Tuesday, September 28, 2004

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<input type="checkbox"/>	L14	L12 and triangulation	0
<input type="checkbox"/>	L13	L12 and trinangulation	0
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<input type="checkbox"/>	L9	L8 and (difference with pattern)	23
<input type="checkbox"/>	L8	L7 and (distance with projection)	601
<input type="checkbox"/>	L7	printing with (press or unit or form)	111324
<input type="checkbox"/>	L6	l4 and triangulation	1
<input type="checkbox"/>	L5	L4 and pattern	0
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<input type="checkbox"/>	L1	de10305595	1

END OF SEARCH HISTORY

**19 BUNDESREPUBLIK
DEUTSCHLAND**

**DEUTSCHES
PATENT- UND
MARKENAMT**

Offenlegungsschrift
DE 103 05 595 A 1

Int. Cl.⁷:
B 41 C 1/00
G 03 F 7/20

21 Aktenzeichen: 103 05 595.9
22 Anmeldetag: 11. 2. 2003
49 Offenlegungstag: 18. 9. 2003

Ⓟ Innere Priorität:
102 10 031. 4 07. 03. 2002

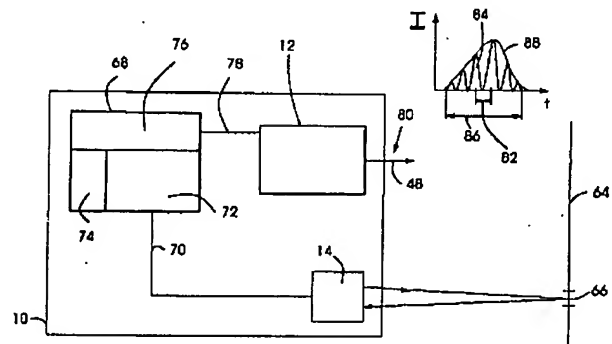
71 Anmelder:
Heidelberger Druckmaschinen AG, 69115
Heidelberg, DE

⑦2 Erfinder:
Zintzen, Bernhard, 69120 Heidelberg, DE; Wolf,
Thomas, Dr., 76137 Karlsruhe, DE

Die folgenden Angaben sind den vom Anmelder eingereichten Unterlagen entnommen

⑤4 Druckformerkennende Bebilderungseinrichtung

(57) Es wird eine Bebilderungseinrichtung (10) für eine Druckform (64) mit einem Detektor (44) elektromagnetischer Strahlung zur Erzeugung eines Signals vorgestellt, welches ein Maß für die auftretende Intensität der elektromagnetischen Strahlung bildet, welche von wenigstens einem von direktionaler elektromagnetischer Strahlung beleuchteten Teil (66) der Oberfläche der Druckform (64) in einen Raumwinkelbereich reflektiert wird. Durch die Verarbeitung des Signals wird eine Klassenzuordnung der Druckform (64) ermöglicht, so dass verschiedene Parameter der Bebilderungseinrichtung (10) in Abhängigkeit der Klasse voreingestellt werden können. Die Parameter umfassen dabei insbesondere die Wellenlänge (82), die Bebilderungsenergie (84) pro Bildpunkt, die Bebilderungsdauer (86) pro Bildpunkt und die Bebilderungsintensität (88) in Abhängigkeit von der Zeit während des Zeitintervalls für die Bebilderung.



DE 103 05 595 A 1

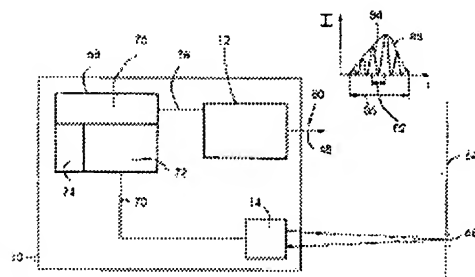
DE 103 05 595 A 1

Imprinting unit uses triangulation sensor to detect light beam reflected from plate to detect class of printing plate and distance from imprinting unit

Patent number: DE10305595
Publication date: 2003-09-18
Inventor: WOLF THOMAS (DE); ZINTZEN BERNHARD (DE)
Applicant: HEIDELBERGER DRUCKMASCH AG (DE)
Classification:
- **international:** B41C1/00; G03F7/20
- **europaean:** B41C1/00, B41C1/10S
Application number: DE20031005595 20030211
Priority number(s): DE20031005595 20030211; DE20021010031 20020307

Abstract of DE10305595

Detector for electromagnetic radiation, provides signal to control unit (68) as radiation beam is reflected by part (66) of surface of printing plate (64) irradiated by directional electromagnetic beam from laser light source. Signal is proportional or linear to light intensity. Light source and detector are integrated as a triangulation sensor (14). Signal is compared in control unit with table of values in memory (74) to set beam (48) according to specific qualities of plate.



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